

Attorney Docket No.: J3651(C)
Serial No.: 10/506,374
Filed: September 2, 2004
Confirmation No.: 1186

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended) A hair treatment composition comprising

i) a polymer comprising an ABA block copolymer, wherein the A groups are polyacrylate blocks or polymethacrylate blocks having units selected from methyl acrylate, methyl methacrylate, methyl ethacrylate, ethyl acrylate, ethyl methacrylate, ethyl ethacrylate, n-butyl acrylate, n-butyl methacrylate, n-butyl ethacrylate, 2-ethylhexyl acrylate, 2-ethylhexyl methacrylate, 2-ethylhexyl ethacrylate, N-octyl acrylamide, 2-methoxyethyl acrylate, 2-hydroxyethyl acrylate, N,N-dimethylaminoethyl acrylate, N,N-dimethylaminoethyl methacrylate, acrylic acid, methacrylic acid, 2-hydroxyethyl acrylate, 2-hydroxyethyl methacrylate and mixtures thereof and the B group is a poly(ethylene glycol) and

ii) a cosmetically acceptable diluent or carrier,

wherein the hair treatment composition is a hair styling product.

Claim 2 (Original) A hair treatment composition as claimed in Claim 1, wherein the A groups of the polymer are poly(aminoalkyl methacrylate) blocks.

Claim 3 (Original) A hair treatment composition as claimed in Claim 2, wherein the A groups of the polymer are poly(2-(dimethylamino)ethyl methacrylate) blocks.

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Claim 4 (Previously Presented) A hair treatment composition as claimed in claim 1, wherein each A block of the polymer is connected to the B block by a divalent linker group.

Claim 5 (Original) A hair treatment composition as claimed in Claim 4, wherein the divalent linker group is a carbonylalkylene group containing from 2 to 7 carbon atoms which forms an ester linkage to the B block.

Claim 6 (Original) A hair treatment composition as claimed in Claim 4, wherein the divalent linker group is a group of formula $-C(O)-C(CH_3)_2-$.

Claim 7 (Previously Presented) A hair treatment composition as claimed in claim 1 wherein the polymer is soluble in a solvent selected from water, ethanol and mixtures thereof.

Claim 8 (Previously Presented) A hair treatment composition as claimed in claim 1, further comprising a fragrance or perfume.

Claim 9 (Currently Amended) A hair treatment composition ~~Composition as claimed in claim 1 which is a hair styling composition in the form of a hair spray, mousse, tonic or gel.~~

Claim 10 (Currently Amended) A hair treatment composition ~~Composition as claimed in claim 1 which comprises from 0.1 to 10% by weight of the polymer.~~

Claim 11 (Currently Amended) A hair treatment composition ~~Composition as claimed in claim 1 further comprising an additional hair styling polymer.~~

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Claim 12 (Currently Amended) A hair treatment composition Composition as claimed in claim 1, further comprising from 0.01% to 7.5% by weight of a surfactant.

Claim 13 (Currently Amended) A hair treatment composition Composition as claimed in claim 1, further comprising up to 30% by weight of a propellant.

Claim 14 (Currently Amended) A hair treatment composition Composition as claimed in claim 1 which is a hair styling cream or gel including from 0.01% to 10% by weight of a structurant or thickener.

Claim 15 (Previously Presented) A cosmetic method of treating hair which comprises applying to the hair a hair treatment composition according to claim 1.

Claim 16 (Cancelled)

Claim 17 (New) A hair treatment composition according to claim 1 wherein the ABA block copolymer is soluble in water, ethanol, and mixtures thereof at a level of at least 5% by weight at 25°C.

Claim 18 (New) A hair treatment composition according to claim 1 wherein the ABA block copolymer is soluble in water, ethanol, and mixtures thereof at a level of at least 10% by weight at 25°C.

Claim 19 (New) A hair treatment composition according to claim 4 wherein the divalent linker group is selected from

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-R-C(O)-O- ;

-R-O-C(O)-O- ;

-R-C(O)-N(R')- ;

-R-O-C(O)-N(R')- ; or

-R-N(R')-C(O)-N(R'')- ;

in which R is a divalent, optionally substituted, linear or branched C₁-C₁₈ hydrocarbon radical (such as C₁-C₁₂ alkylene), and

R' and R'' are independently selected from monovalent, optionally substituted, linear or branched C₁-₁₈ hydrocarbon radicals.